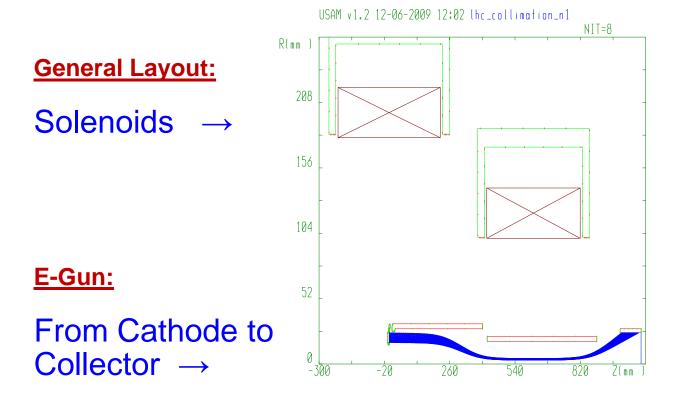
Hollow e-beam for LHC collimation

L.G. Vorobiev, APC/FNAL

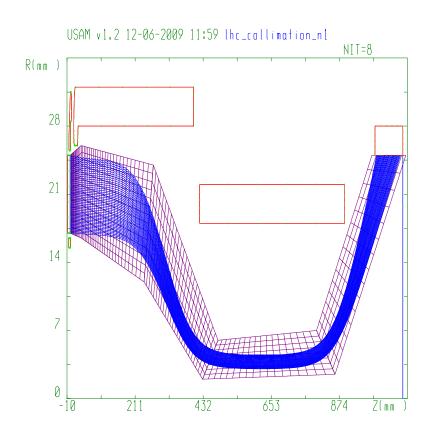
Variant 1:

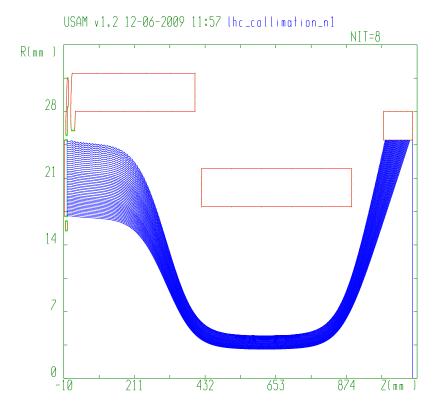
The 1st solenoid is standard, the 2nd soledoid (4T) is shorter. Collector has zero potential (the very right electrode)



Hollow e-beam for LHC collimation

Spatial grid with variable dimensions/meshes: consistent for different numbers of space-charge iterations.





Spatial grid overlapping the e-beam

Collimation region to be extended